Title: METHOD AND APPARATUS FOR REPRESENTING FILE SYSTEM METADATA WITHIN A DATABASE FOR EFFICIENT QUERIES

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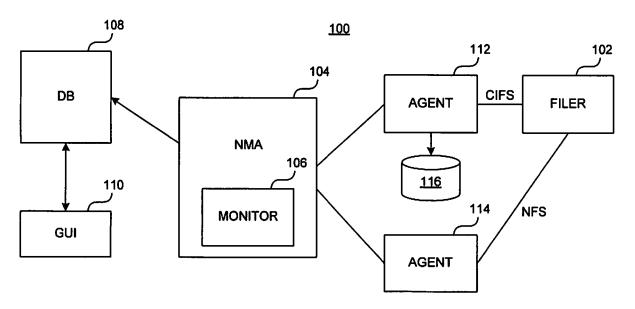


FIG. 1

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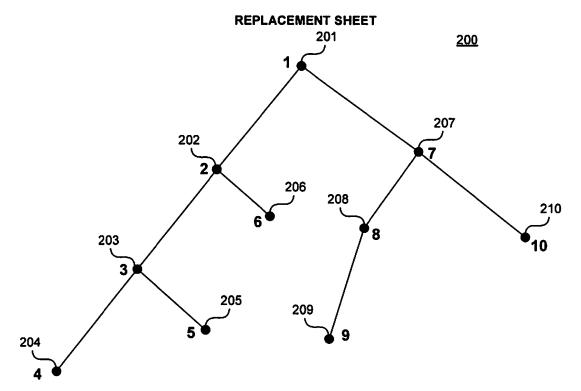


FIG. 2

302 رسے	304	<u>300</u>
NODE	PARENT	
1	0	
2	1	
7	1	
3	2	ŀ
6	2	
8	7	
10	7	
4	3	
5	3	
9	8	

FIG. 3A

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				300
302 	304	352 ر	354 	356
NODE	PARENT	SIZE	CREATION TIME	NAME
1	0	4.1GB	3/1/2003 12:00a	/u/
2	1	812 MB	3/1/2003 1:00a	/u/employees/
7	1	1.2 GB	3/1/2003 1:02a	/u/administrators/
3	2	704 MB	3/14/2003 2:14p	/u/employees/a-m/
1				

FIG. 3B

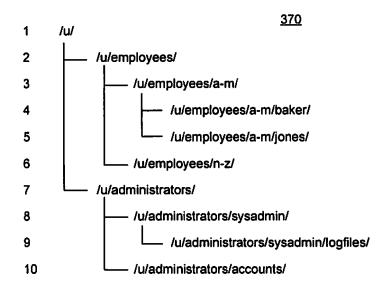


FIG. 3C

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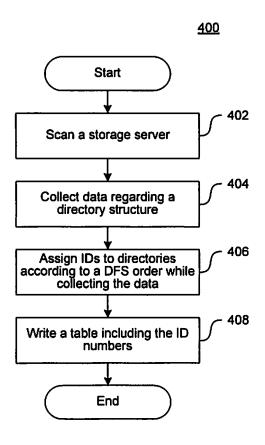


FIG. 4

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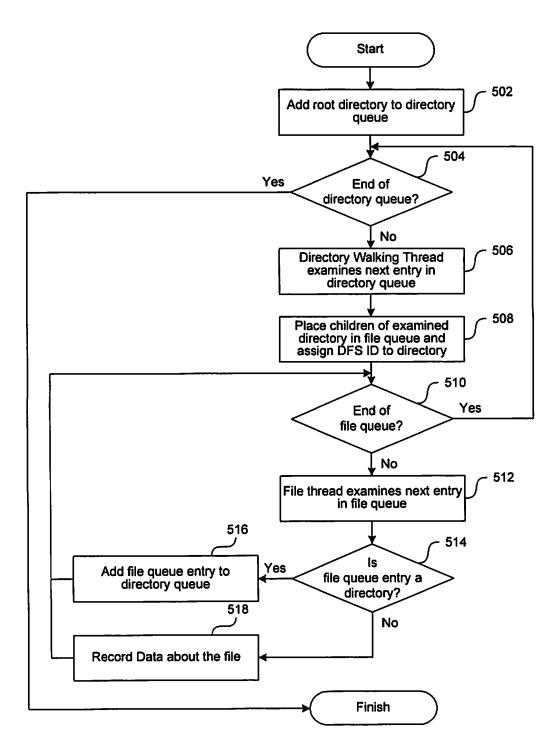
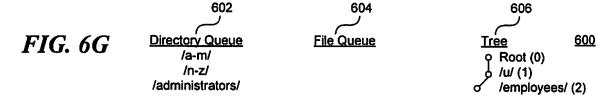


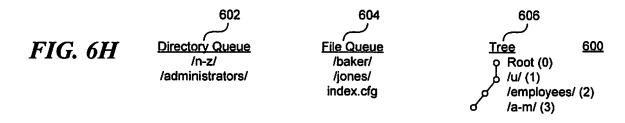
FIG. 5

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REPLACEMENT SHEET 602 606 FIG. 6A 600 **Directory Queue** File Queue root 602 604 606 **Directory Queue** File Queue 600 FIG. 6B <u>Tree</u> /u/ **P** Root (0) system.file 602 604 606 <u>600</u> FIG. 6C **Directory Queue** File Queue <u>Tree</u> /u/ የ Root (0) 602 604 606 FIG. 6D File Queue <u>600</u> **Directory Queue** <u>Tree</u> /employees/ 9 Root (0) o /u/ (1) /administrators/ users.cfg 602 604 606 FIG. 6E File Queue 600 **Directory Queue** Tree /employees/ ρ Root (0) J /m/ (1) /administrators/ 602 604 606 File Queue <u>600</u> FIG. 6F **Directory Queue** <u>Tree</u> /administrators/ /a-m/ Root (0) /n-z/ /u/ (1) list.cfg /employees/ (2)





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REPLACEMENT SHEET

<u>700</u>

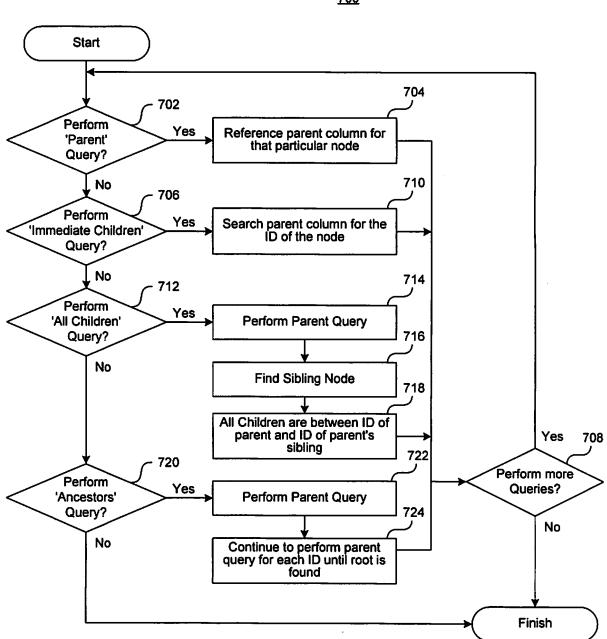


FIG. 7